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**To:** [Granger, Michelle](#); [Brink, Bradley J CIV USARMY CENWK \(US\)](#); [patrick nejand](#); [Nanci Higginbotham](#); [Stonestreet, Wendy E CIV USARMY CENWK \(USA\)](#)  
**Subject:** Pohatcong OU3 update  
**Date:** Monday, December 31, 2018 11:00:35 AM  
**Attachments:** [OU3 Soil Results Supplemental PDI 123018\\_1750.xlsx](#)  
[Prelim 30% Design Site Plan \(002\) Proposed locations SB33.pdf](#)

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All,

Quick update:

- Over the weekend, 7 borings were completed (SB27-SB33). The decision to complete a final boring, SB33 was made Sunday evening based on PID readings and rig availability.
- Awaiting results (Erin/Brad to review once available):
  - PID: SB33
  - Analytical: SB31-33
- USACE collected ~10% split samples and provided 100% oversight (first and second shift) during sample collection
- Split samples to be submitted to CLP lab on Wed (DESA reassigned us a CLP lab on Friday). Wendy/Patrick coordinating.
- USACE to provide direction to PRP during EPA furlough. I'll reach out to folks as needed.

Once everyone returns to normal working hours and results are back, I expect we'll see a meeting invite to discuss results, the revised treatment zone and feasibility of installing thermal infrastructure from the molding room.

I'll also provide feedback on responses to the 30% RD comments under a separate email.

Erin

Erin Hauber, P.E.

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PROJECT: RAMBOLL - WASHINGTON N401-DESIGN001-DRAWINGS001-IN-PROCESS DWGSC101-EXISTING CONDITIONS-PLANNING  
CTB FILE: TT-STANDARD.CTB

PLOT DATE: 9/29/2018

NOTES:

1. PROJECTED THERMAL TREATMENT ZONE TO BE VERIFIED BY SUPPLEMENTAL SOIL BORINGS TO BE INSTALLED DURING THE SCHEDULED PLANT SHUT DOWN ON DECEMBER 24, 2018 THROUGH JANUARY 1, 2019.
2. THERMAL TREATMENT ZONE CONFIRMED BY PRE-DESIGN INVESTIGATION SOIL BORING ACTIVITIES COMPLETED THROUGH AUGUST 2018.
3. TOTAL VOLUME OF PROJECTED AND CONFIRMED THERMAL TREATMENT ZONES IS 17,000 CUBIC YARDS.
4. ALL SITE FEATURES ARE APPROXIMATE, ADDITIONAL SITE FEATURES MAY BE PRESENT.
5. THIS DRAWING HAS BEEN PREPARED, IN PART BASED UPON INFORMATION FURNISHED BY OTHERS\* WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS DRAWING OR FOR ANY ERRORS OR OMISSIONS THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION PROVIDED TO THE ENGINEER. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY.

\*SOURCES:

1. PRE-CONSTRUCTION SITE FEATURES, TOPOGRAPHY, AND UTILITIES; A PLAN ENTITLED "EXISTING CONDITIONS AND SURVEY CONTROLS" PREPARED BY GEOD CORP. DATED 02/22/11 AND REVISED THROUGH 04/27/2015.
2. LOT LINES: TAKEN FROM MOST RECENT TAX MAPS AND REALQUEST.COM (NOT SURVEYED)
3. SURFACE ELEVATIONS PROVIDED BY LAYOUT, INC.

LEGEND:

- THERMAL TREATMENT ZONE (TTZ)
- |   |                         |
|---|-------------------------|
| ○ SIGN SINGLE POST  | △ TRAVERSE              |
| ○ SIGN DOUBLE POST  | ○ WATER MANHOLE         |
| ○ SMALL DECIDUOUS TREE 8" OR SMALLER                              | ○ WATER VALVE           |
| ○ MEDIUM DECIDUOUS TREE 8" TO 18"                                 | ○ ELECTRIC MANHOLE      |
| ○ LARGE DECIDUOUS TREE 18" OR LARGER                              | ○ PROTECTIVE POST       |
| ○ BUSH OR SHRUB   | ○ DOUBLE CATCH BASIN    |
| ○ MEDIUM CONIFEROUS TREE 8" TO 18"                                | ○ STAND PIPE            |
| ○ LARGE CONIFEROUS TREE 18" OR LARGER                             | ○ UNKNOWN MANHOLE       |
| ○ MONITORING WELL   | ○ GAS LINE              |
| ○ GAS VALVE   | ○ WATER LINE            |
| ○ TRASH BARREL  | ○ ELECTRIC LINE         |
| ○ LARGE ROCK / BOULDER  | ○ DRAINAGE LINE         |
| ○ DOUBLE LIGHT POLE   | ○ SANITARY LINE         |
| ○ UNKNOWN VALVE   | ○ CHAIN LINK FENCE LINE |
| ○ WOOD UTILITY POLE   | ○ BUILDING LINE         |
| ○ FENCE POST  | ○ BOTTOM SLOPE LINE     |
| ○ FLAG POLE   | ○ METAL GUIDERAIL       |
| ○ ELECTRIC BOX RECTANGULAR  |                         |
| ○ GUY WIRE  |                         |
| ○ METAL LIGHT POLE  |                         |
| ○ FIRE CALL BOX   |                         |
| ○ EPA-SS-13 SUB SLAB VAPOR MONITORING POINT (INSTALLED BY OTHERS) |                         |
| ○ VP1 SUB SLAB VAPOR MONITORING POINT (INSTALLED BY ENVIRON)      |                         |
| ○ SVE-4 SVE SHALLOW EXTRACTION POINT (INTERIM)                    |                         |
| ○ SVE-11 SVE EXTRACTION POINT                                     |                         |
| ○ SSDS-04 SUB SLAB DEPRESSURIZATION EXTRACTION POINT              |                         |



DRAFT

REV	DATE	BY	CHK	DESCRIPTION
A	8/24/2018	TJM	DB	30% DESIGN SUBMITTAL
B	8/31/2018	RH	DB	REVISED 30% DESIGN PER CLIENT COMMENTS
C	9/27/2018	ON	DB	REVISED 30% DESIGN DRAFT PER CLIENT COMMENTS

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PRELIMINARY (30%) DESIGN, IN SITU THERMAL REMEDIATION SYSTEM, OU3, PVGCS SITE, WARREN COUNTY, NEW JERSEY

EXISTING CONDITIONS PLAN

SCALE:	NTS
SHEET SIZE:	D C
REFERENCE NO.:	
SHEET:	1 OF 1
DWG NO.:	C101